

**CURTISS -
WRIGHT**

Engineered Coatings

www.cwst.co.uk

COMPANY PROFILE

Curtiss-Wright Surface Technologies (CWST) offers a single source solution and point of contact for all your surface treatments. We can reduce your turnaround times and costs through our network of over 75 worldwide facilities.

Our proven surface treatments meet industry demands for lighter materials, improved performance and life extension in key markets such as Aerospace, Automotive, Energy and Medical. We can prevent premature failures due to fatigue, corrosion, wear, galling and fretting.



Surface Technologies is a Division of Curtiss-Wright (NYSE: CW) a global innovative company that delivers highly engineered, critical function products and services to the commercial, industrial, defense and energy markets. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing reliable solutions through trusted customer relationships.

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As pioneers in the development and application of engineered coatings Curtiss-Wright Surface Technologies enable you to protect against corrosion, improve part wear life and performance and also reduce maintenance costs. We have a global network of coatings facilities in the UK, mainland Europe, US and Asia.

Our experienced and dedicated workforce will provide you with the very highest levels of quality, service and technical support using the latest technology to ensure long-term environmental compliance.

We have advanced laboratory facilities and expertise to design and develop bespoke high performance coatings tailored to suit your individual requirements as well as being able to offer you a range of standard and licensed coatings.

We offer a comprehensive range of processes that allow us to apply coatings to components of all shapes and sizes from the smallest fasteners to large fabricated assemblies weighing several tonnes.

Our range of coatings include:

- Dry Film Lubricants and PTFE coatings for long lasting lubrication in harsh operating conditions and to prevent friction and galling including MoS₂, PTFE, Graphite and WS₂
- Thermal spray including HVOF and Plasma for high temperature protection
- Coatings for corrosion, chemical and environmental protection
- Impingement coatings
- Nonstick/release coatings for low coefficients of friction

- Primers for rubber and plastics for sound absorbing and dampening materials to reduce noise and squeaking
- Coatings for EMI/RFI shielding to control electromagnetic interference
- Coatings to protect against extreme corrodants, corrosive chemicals and solvents
- Ultra thin conformal parylene coating to reduce friction and protect against contamination ideal for used for Medical devices and Electronic applications resulting in an ultra thin conformal coating
- Repair and Overhaul Services for the repair and refurbishment of gas and steam turbine components
- NACE Coating Inspection Services to assist in alleviating problems that occur during the pre-treatment, application and curing phase of a coating job
- REACH compliant, chrome free aerospace coating



For more information on all our services and full worldwide contact details: www.cwst.co.uk

Brand and trade names include:

Everlube products: Everlube®, Microseal®, Flurene Lube-Lok®, Lubri-Bond®, Ecoalube®, Ever-Slik®, Esnalube®, Perma-Slik®, Electrobond® and Formkote®.

Other brand names: Xylan®/Xylar®, Sermagard®, Molykote®, Halar®, Teflon®, Rilsan®, Zinga®, Gleitmo® and PROCOAT100®

Quality

We are fully experienced to meet your specifications using the highest quality control procedures. Our facilities have numerous OEM approvals for the application of coatings to aerospace, automotive, medical and other industrial components in addition to FAA, AS9100 Rev C, NADCAP, ISO 13485 and ISO 9001:9008 approvals that might be required at individual facilities.



Laboratory Testing

Laboratory Testing and process verification include: Salt-Spray ASTM B117, Dry film Thickness by Magnetic Induction and Eddy Current or section method, Coating Weight, Cure testing, Adhesion to ASTM D2510 or ASTM D 3359, Pull Off testing to ISO 4624 or ASTM D4542 Type 5 method E. Holiday testing low voltage and high voltage to NACE SP0188.

Pre-treatments

With surface preparation being essential to the life extension and performance of our coatings technology, correct preparation and enhancement of surfaces prior to coating is carried out.

Pre-treatments include Ti Anodising, Phosphate Conversion Coating, Chilled Iron Blasting, Aluminum Oxide Blasting and vapour degreasing (components up to 1 tonne).

BENEFITS

- High lubricity/low friction
- Anti-corrosion
- Resistance to erosion
- Resistance to galling, fatigue and failure
- High release/anti-stick
- Low noise/anti-squeak
- Pinhole free barrier coating
- Resistance chemical and environmental attack
- Protection against chipping and blistering
- Shielding to EM/RF radiation
- Aerospace aluminized coatings

APPLICATIONS

Our engineered coatings are designed to enhance the performance of a wide range of components including:

- Pumps and valves
- Gears
- Bearings
- Fasteners, bolts and locknuts
- Thread rolling screws
- Rivets
- Washers, 'O' rings, gaskets and seals
- Food handling equipment
- Rollers and dyecans
- Airbars
- Magnets
- Centrifuge components
- Medical implant devices
- Circuit boards

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